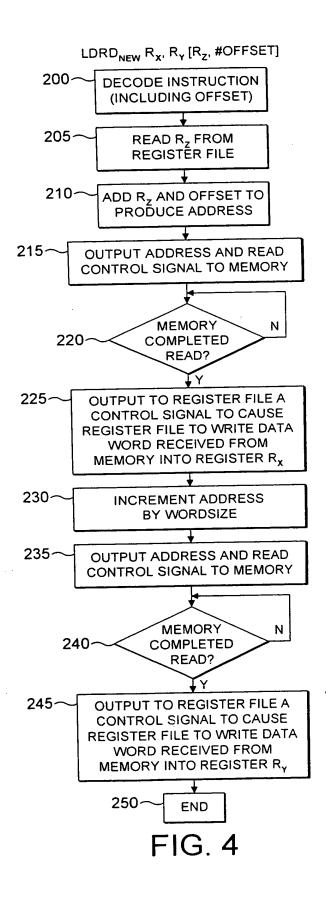
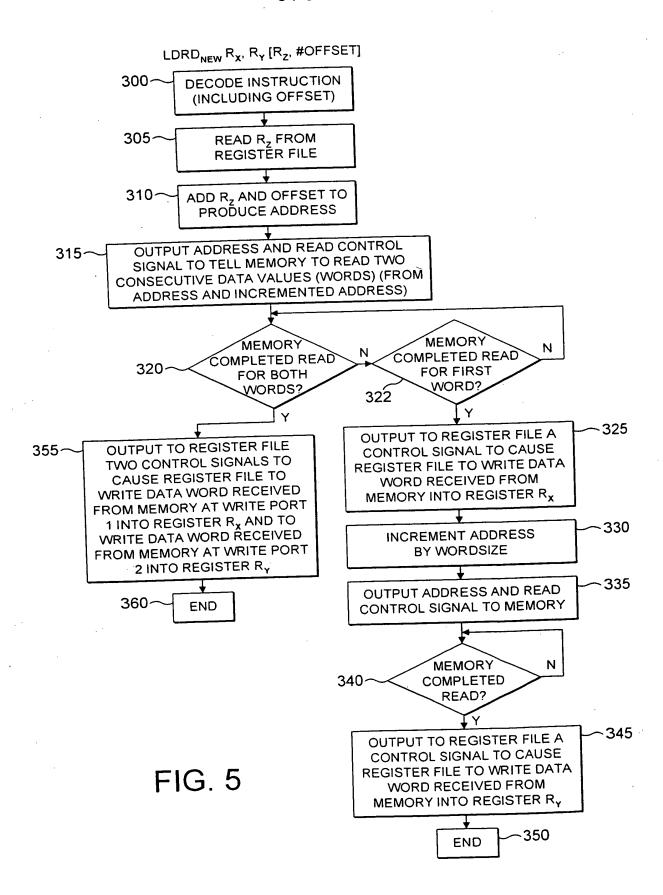


FIG. 3

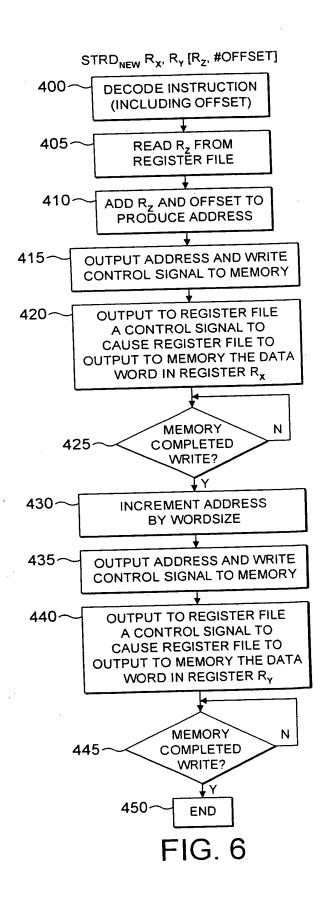
2/6

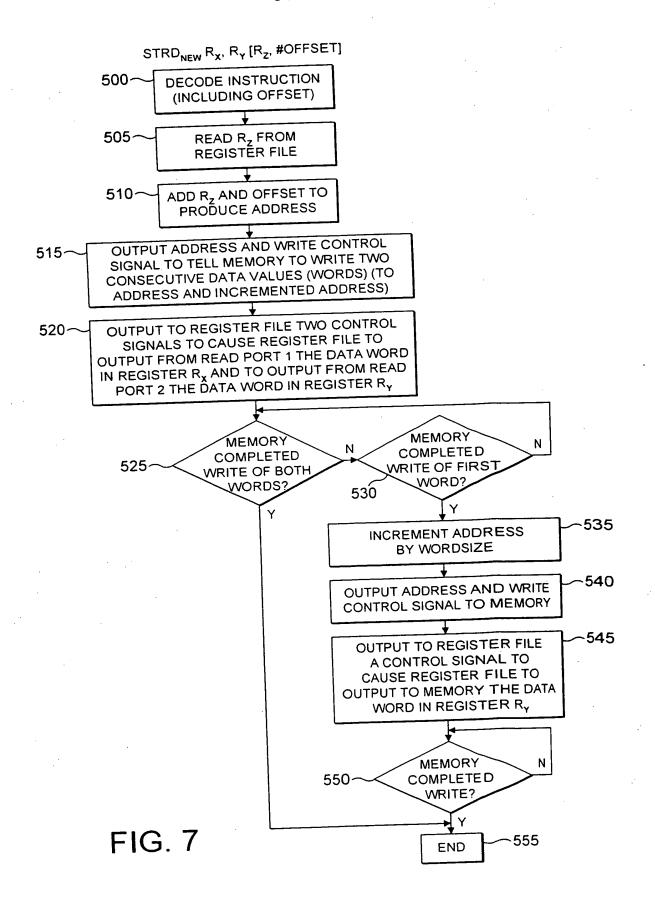


3/6



4/6





Inventor: DIJKSTRA SN 10/812,034/Sheet 6 of 6 Atty. Dkt.: 550-518

6/6

LDR R0, [R4, #0] LDR R1, [R4, #4] LDRD R0, [R4, #0] LDRD_{NEW} R0, R1, [R4, #0]

FIG. 8A

 $\begin{array}{ll} \text{LDR} & \text{R0}, [\text{R4}, \#8] \\ \text{LDR} & \text{R1}, [\text{R4}, \#12] \end{array} \left\{ \begin{array}{ll} \text{X} & \text{LDMIA} \\ \text{LDRD} & \text{R0}, [\text{R4}, \#8] \\ \text{LDRD}_{\text{NEW}} & \text{R0}, \text{R1}, [\text{R4}, \#8] \end{array} \right.$

FIG. 8B

 $\begin{array}{ll} \text{LDR} & \text{R0, [R4, \#0]} \\ \text{LDR} & \text{R2, [R4, \#4]} \end{array} \begin{cases} \begin{array}{ll} \text{LDMIA} & \text{R4, \{R0, R2\}} \\ \text{X} & \text{LDRD} \\ \text{LDRD}_{\text{NEW}} & \text{R0, R2, [R4, \#0]} \end{array} \end{cases}$

FIG. 8C

LDR R2, [R4, #4] LDR R0, [R4, #8] X LDRD LDRD_{NEW} R2, R0, [R4, #4]

FIG. 8D

 $\begin{array}{l} \text{LDR} \quad \text{R0, [R4, \#12]} \left\{ \begin{array}{l} \text{X} \quad \text{LDMIA} \\ \text{X} \quad \text{LDRD} \\ \text{LDRD}_{\text{NEW}} \quad \text{R0, R1, [R4, \#12]} \end{array} \right. \\ \end{array}$

FIG. 8E

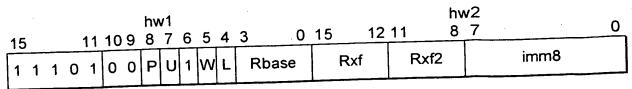


FIG. 9